

## Mining Operation Inspection Protocol

Inspection Item	How item is monitored	Responsibility	Follow-up Action
	Frequency		
<b>Water Quality</b>			
Leaks or seeps of turbid water into creek/river from mining ditches/ponds	Visual Inspection	Minerals Technicians Mineral Administrator	1) Notify mining operator to correct leak/seep. 2) Monitor corrective action and continue to monitor during future inspections
	On every inspection (Bi-weekly at a minimum)		
Major failure of ponds/ditches	Visual Inspection	Minerals Technicians Mineral Administrator	1) Notify operator, ADEC, Forest Hydrologist immediately 2) Work with ADEC and operator to correct failure promptly.
	Water quality testing of turbidity	Hydrologist	
	Beginning of season and during and after major rain events, ice jam breaks in the spring		
Streambank erosion caused directly by mining operations	Visual Inspection	Minerals Technicians Mineral Administrator	1) Notify mining operator to correct erosion issue. 2) Monitor corrective action and continue to monitor during future inspections
	On every inspection (Bi-weekly at a minimum)		

Inspection Item	How item is monitored	Responsibility	Follow-up Action
	Frequency		
<b>Hazardous Materials</b>			
Spills of hydrocarbon products onto ground	Visual Inspection	Minerals Technicians or Mineral Administrator	1) For spills of less than 10 gallons, notify operator to clean-up immediately and dispose of contaminated soil properly 2) For spills estimated at greater than 10 gallons, notify operator to clean-up immediately and reminder to follow-up with ADEC within 48 hours of first observance of spill. Follow-up with ADEC to verify spill has been documented. 3) For spills estimated at greater than 55 gallons, notify operator and ADEC immediately. Work with ADEC and operator for spill clean-up plan and implementation by operator.
	On every inspection (Bi-weekly at a minimum)		
Spills of hydrocarbon products into water in ditches/ponds/ creek	Visual Inspection	Minerals Technicians or Mineral Administrator	For any spills entering water, notify operator and ADEC immediately. Work with ADEC and operator for spill clean-up plan and implementation by operator.
	On every inspection (Bi-weekly at a minimum)		
Other hazardous chemicals stored onsite	Visual inspection at camps for new storage containers, etc.	Minerals Technicians or Mineral Administrator	Communicate with operator to understand what types of chemicals are stored at camps and other areas and what is in any new storage containers.
	On every inspection (Bi-weekly at a minimum)		

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<b>Hazardous Materials</b>			
Above ground storage tanks for fuel: 1) Secondary containment system is intact and functioning 2) Tank and nozzle for dispersing fuel in good repair. 3) Appropriate signing is in place per ADEC standards	Visual Inspection	Minerals Technicians or Mineral Administrator	Notify operator on any corrective actions needed, follow-up inspections to verify work has been done
	On every inspection (Bi-weekly at a minimum)		
Mercury	Visual Inspection	Minerals Technicians or Mineral Administrator	1) Notify operator if seen by Forest Service inspectors. Contact ADEC, Forest Hydrologist for clean-up protocol. 2) Same protocol if notified by operator of any found during their operations.
	On every inspection (Bi-weekly at a minimum)		

Inspection Item	How item is monitored	Responsibility	Follow-up Action
	Frequency		
<b>Compliance with Mining Plan of Operations</b>			
Types of equipment on site are approved	Visual Inspection	Minerals Technicians or Mineral Administrator	Notify operator on any corrective actions needed, follow-up inspections to verify work has been done
	On every inspection (Bi-weekly at a minimum)		
Operations are approved to occur within inspected area.	Visual Inspection	Minerals Technicians or Mineral Administrator	Notify operator on any corrective actions needed, follow-up inspections to verify work has been done
	On every inspection (Bi-weekly at a minimum)		
Any temporary and permanent structures on site are approved	Visual Inspection	Minerals Technicians or Mineral Administrator	Notify operator on any corrective actions needed, follow-up inspections to verify work has been done
	On every inspection (Bi-weekly at a minimum)		